3 Ways to Incorporate Ultrasound into Bearing Lubrication

CHOOSE YOUR PATH TO LUBRICATION EFFICIENCY

When a bearing lacks proper lubrication, damaging friction can occur. Ultrasound Assisted Lubrication allows inspectors to prevent over and under lubrication of bearings. While greasing, the inspectors watch the decibel levels of the bearing. If too much grease is added, decibel levels will slowly start to increase. If a bearing needs grease, dB levels will gradually fall as grease is added, eventually down to a more normal or baseline level.

No matter what your plant's circumstances, there are lubrication programs where ultrasound can be added that can improve your facility's preventative maintenance (PM) practices.

SYSTEMS INC The ultrasound approach

ULTRASOUND ASSISTED LUBRICATION BASICS

GOOD

BETTER

BEST

Enable Proactive Bearing

Management to optimize the

frequency, quantity and quality

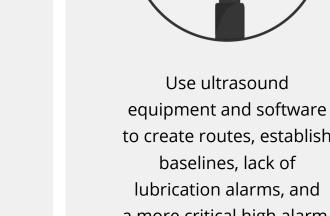
of your bearing lubrication

practices and to avoid

failures before they begin.



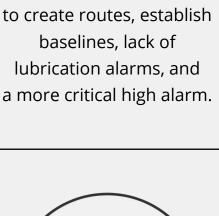
When timed based lubrication is the only option, use equipment run time and calculate the amount of grease to apply.





Collect data on a routine basis including dB levels and sound file recordings.

Trend the dB over time.





Adopt the required technology
to make it easy for
maintenance staff to remotely
monitor bearing condition
and perform lubrication tasks
from anywhere at anytime.



Use a Grease Caddy

for lubrication PM's

to let the lubrication

know when enough

grease has been added.

Usage of ultrasound instruments may also lead to the discovery of other problems and adjustments to lube PM's.



Use ultrasound equipment to apply lubricant once the lack of lubrication alarm has been reached. Apply lubricant until dB falls to the baseline level.



Automate your lubrication workflow to save time and improve work performance through automated condition-based bearing lubrication.

THERE ARE ULTRASOUND INSTRUMENTS AVAILABLE FOR WHATEVER STAGE YOUR LUBRICATION

PROGRAM MAY BE IN. From high-end instruments that store data, trend, set baselines and alarm levels, to more cost effective and easier to use instruments that lubricators can use to let them know when they have applied anough grease, an option is available that allows any plant to benefit from ultrasound assisted lubrication solutions.

SOURCES: UE Systems, Ultrasound Assisted Lubrication; UE Systems, Ultrasound Assisted Lubrication...From Time-Base to Condition-Based